

Draft Example of a Programmatic CALFED Water Quality Action

Action: Reduce copper concentrations in the Sacramento River above Hamilton City by remediation of abandoned and inactive mines.

Performance Target: Reduce copper loadings into the Sacramento River above Hamilton City from 30,000 lbs/year to 5,000 lbs/year.

Environmental Target: Copper concentrations in the Sacramento River at Hamilton City should meet Water Quality Control Plan requirements of $5\mu\text{g/L}$.

Approaches:

Source control - cap tailings piles, remove tailings piles, divert water courses, seal mine portals, remove contaminated sediments, and similar measures.

Treatment - collection and treatment of drainage to remove copper.

Note: Less environmentally significant parameters (e.g. arsenic) of acid mine drainage would also be reduced through implementing this action.